

In specification:

Please insert the attached Sequence Listing after the Abstract on page 65.

Please amend Table 1 on page 45, line 5 as follows:

on a 3 % nusieve agarose (Biowhittaker Molecular Applications, Rockland, ME USA) and photographed under UV illumination.

***Table 1:
PCR primers and conditions for genetic diagnosis***

<i>Disorder (Gene)</i>	<i>Forward (F) and reverse (R) primers (SEQ ID NO:)</i>	<i>Composition of PCR reaction mixture</i>	<i>Anneal. Temp.</i>
Myotonic Dystrophy (DMPK) GenBank Accession No. NM_004409	First PCR: F (101): 5'- CTTCCCAGGCCTGCAGTT TGCCCATC (SEQ ID NO:1) R (102): 5'- GAACGGGGCTCGAAGGGT CCTTGTAGC (SEQ ID NO:2)	1 IU BioTaq polymerase and 1 X PCR buffer (Bioline), 10 % DMSO, 2 mM MgCl ₂ , 0.2 mM dNTP and 2 pmole of each of the primers	65 °C
	Nested PCR F (409): 5'- GAAGGGTCCTTGTAGCCG GGAA (SEQ ID NO:3) R (410): 5'- GGGATCACAGACCATTCT TTTCT (SEQ ID NO:4)	1 IU Taq polymerase and 1 X PCR buffer (Qiagen GmbH, Hilden, Germany), 1.5 mM MgCl ₂ , 0.2 mM dNTP, Q-solution (Qiagen) and 2 pmole of each of the PCR primers;	65 °C
Van Waardenburg syndrome (PAX3) GenBank Accession No. NM_000438	First PCR F: 5'- CTTCCCACAGTGTCCACT CC (SEQ ID NO:5) R: 5'- GAGGATTGCAAGGCTTAT GG (SEQ ID NO:6)	1 IU BioTaq polymerase and 1 X PCR buffer (Bioline), 1.5 mM MgCl ₂ , 0.2 mM dNTP, 2 pmole of each of the PCR primers	60 °C

	<p>Nested PCR</p> <p>F: 5'- ACGGCAGGCCGCTGCCA AC (SEQ ID NO:7)</p> <p>R: 5'- AGTCTGGGAGCCAGGAG (SEQ ID NO:8)</p>	<p>1 IU Taq polymerase and 1 X PCR buffer (Qiagen), 1.5 mM MgCl₂, 0.2 mM dNTP, Q-solution (Qiagen) and 2 pmole of each of the PCR primers</p>	60 °C
Cystic Fibrosis (CFTR) GenBank No. M28668	<p>F (w1): 5'- TACCTATATGTCACAGAA GT (SEQ ID NO:35)</p> <p>R (w2): 5'- GTACAAGTATCAAATAGC AG (SEQ ID NO:36)</p>	<p>1 IU Taq polymerase and 1 X PCR buffer (Qiagen GmbH, Hilden, Germany), 1.5 mM MgCl₂, 0.2 mM dNTP, Q-solution (Qiagen) and 2 pmol of each of the PCR primers</p>	60 °C
	Following PCR the fragment (270 bp long) is subjected to restriction enzyme analysis using the <i>Mnl</i> I restriction enzyme.		
metachromatic leukodystrophy (Arylsulfatase A) GenBank No. AY271820	<p>First PCR F (2098): 5'- GCAGTCTCTCTTCTTAG C (SEQ ID NO:37)</p> <p>R (2264): 5'- AGGGGCCAGGGATCTAGG GC (SEQ ID NO:38)</p>	<p>1 IU Taq polymerase and 1 X PCR buffer (Qiagen GmbH, Hilden, Germany), 1.5 mM MgCl₂, 0.2 mM dNTP, Q-solution (Qiagen) and 2 pmole of each of the PCR primers</p>	60 °C
	Following PCR the fragment is subjected to restriction enzyme analysis using the <i>Alu</i> I restriction enzyme.		